

SEQUENCE LISTING

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Wikström, Mats

<120> NEW NUCLEAR MAGNETIC RESONANCE SCREENING
METHOD

<130> 13425-047001

<150> 60/243,626
<151> 2000-10-26

<150> SE 0003811-7
<151> 2000-10-20

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 435
<212> PRT
<213> Homo sapiens

<400> 1
Met Glu Met Glu Lys Glu Phe Glu Gln Ile Asp Lys Ser Gly Ser Trp
1 5 10 15
Ala Ala Ile Tyr Gln Asp Ile Arg His Glu Ala Ser Asp Phe Pro Cys
20 25 30
Arg Val Ala Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp
35 40 45
Val Ser Pro Phe Asp His Ser Arg Ile Lys Leu His Gln Glu Asp Asn
50 55 60
Asp Tyr Ile Asn Ala Ser Leu Ile Lys Met Glu Glu Ala Gln Arg Ser
65 70 75 80
Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Gly His Phe Trp
85 90 95
Glu Met Val Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg
100 105 110
Val Met Glu Lys Gly Ser Leu Lys Cys Ala Gln Tyr Trp Pro Gln Lys
115 120 125
Glu Glu Lys Glu Met Ile Phe Glu Asp Thr Asn Leu Lys Leu Thr Leu
130 135 140
Ile Ser Glu Asp Ile Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu
145 150 155 160
Glu Asn Leu Thr Thr Gln Glu Thr Arg Glu Ile Leu His Phe His Tyr
165 170 175
Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu
180 185 190
Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Pro Glu His
195 200 205
Gly Pro Val Val Val His Cys Ser Ala Gly Ile Gly Arg Ser Gly Thr
210 215 220
Phe Cys Leu Ala Asp Thr Cys Leu Leu Leu Met Asp Lys Arg Lys Asp
225 230 235 240

Pro Ser Ser Val Asp Ile Lys Lys Val Leu Leu Glu Met Arg Lys Phe
 245 250 255
 Arg Met Gly Leu Ile Gln Thr Ala Asp Gln Leu Arg Phe Ser Tyr Leu
 260 265 270
 Ala Val Ile Glu Gly Ala Lys Phe Ile Met Gly Asp Ser Ser Val Gln
 275 280 285
 Asp Gln Trp Lys Glu Leu Ser His Glu Asp Leu Glu Pro Pro Pro Glu
 290 295 300
 His Ile Pro Pro Pro Arg Pro Pro Lys Arg Ile Leu Glu Pro His
 305 310 315 320
 Asn Gly Lys Cys Arg Glu Phe Pro Asn His Gln Trp Val Lys Glu
 325 330 335
 Glu Thr Gln Glu Asp Lys Asp Cys Pro Ile Lys Glu Glu Lys Gly Ser
 340 345 350
 Pro Leu Asn Ala Ala Pro Tyr Gly Ile Glu Ser Met Ser Gln Asp Thr
 355 360 365
 Glu Val Arg Ser Arg Val Val Gly Gly Ser Leu Arg Gly Ala Gln Ala
 370 375 380
 Ala Ser Pro Ala Lys Gly Glu Pro Ser Leu Pro Glu Lys Asp Glu Asp
 385 390 395 400
 His Ala Leu Ser Tyr Trp Lys Pro Phe Leu Val Asn Met Cys Val Ala
 405 410 415
 Thr Val Leu Thr Ala Gly Ala Tyr Leu Cys Tyr Arg Phe Leu Phe Asn
 420 425 430
 Ser Asn Thr
 435

<210> 2
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 2

Val	Asp	Ala	Phe	Leu	Gly	Thr	Trp	Lys	Leu	Val	Asp	Ser	Lys	Asn	Phe
1				5				10						15	
Asp	Asp	Tyr	Met	Lys	Ser	Leu	Gly	Val	Gly	Phe	Ala	Thr	Arg	Gln	Val
			20					25						30	
Ala	Ser	Met	Thr	Lys	Pro	Thr	Thr	Ile	Ile	Glu	Lys	Asn	Gly	Asp	Ile
			35					40						45	
Leu	Thr	Leu	Lys	Thr	His	Ser	Thr	Phe	Lys	Asn	Thr	Glu	Ile	Ser	Phe
			50					55						60	
Lys	Leu	Gly	Val	Glu	Phe	Asp	Glu	Thr	Thr	Ala	Asp	Asp	Arg	Lys	Val
			65					70						80	
Lys	Ser	Ile	Val	Thr	Leu	Asp	Gly	Gly	Lys	Leu	Val	His	Leu	Gln	Lys
								85						95	
Trp	Asp	Gly	Gln	Glu	Thr	Thr	Leu	Val	Arg	Glu	Leu	Ile	Asp	Gly	Lys
								100						110	
Leu	Ile	Leu	Thr	Leu	Thr	His	Gly	Thr	Ala	Val	Cys	Thr	Arg	Thr	Tyr
								115						125	
Glu	Lys	Glu	Ala												
			130												

<210> 3
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
<223> Exemplary target sequence

<400> 3
Ala Gln Ser Tyr Ile Glu Lys Ile Ser Gln Ala Met Glu Ser Ala Ile
1 5 10 15
Glu Lys Arg Leu Thr Leu Ala Gln Ile Met Glu Trp Ile Arg Arg Asn
20 25 30
Ile Met Gly
35

<210> 4
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Exemplary target sequence

<400> 4
Asn Gln Ser Tyr Ile Glu Leu Ile Ser Gln Ala Met Glu Ser Ala Pro
1 5 10 15
Glu Lys Arg Leu Thr Leu Ala Gln Ile His Glu Trp Ile Arg Arg Asn
20 25 30
Ala Trp Gly
35

<210> 5
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Exemplary protein sequence

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<400> 5
Pro Tyr Ser Tyr Ile Ser Leu Ile Thr Met Ala Met Gln Gln Ala Pro
      1           5           10          15
Glu Lys Met Leu Thr Leu Ala Gln Ile His Glu Trp Ile Leu Thr His
      20          25          30
Ala Lys Pro
      35

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<210> 6
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Exemplary protein sequence

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<400> 6
Pro Tyr Ser Tyr Ile Ala Leu Ile Thr Met Ala Met Leu Gln Ser Pro
      1           5           10          15
Glu Lys Lys Leu Thr Leu Ala Gln Ile His Glu Phe Ile Leu Val Asn
      20          25          30
Ala Lys Pro

```

35

<210> 7
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Exemplary protein sequence

```

<400> 7
Pro Tyr Ser Tyr Ile Glu Leu Ile Thr Met Ala Met Gln Asn Ala Pro
   1           5           10          15
Glu Lys Lys Ile Thr Leu Ala Gln Ile His Gln Phe Ile Leu Val Gln
   20          25          30
Ala Lys Pro
   35

```